

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D
625 Broadway, 12th Floor, Albany, NY 12233-7013
P: (518) 402-9676 | F: (518) 402-9773
www.dec.ny.gov

October 12, 2017

Mr. Edward J. Hannon
Northrop Grumman Corporation Aerospace Systems
925 South Oyster Bay Rd.
M/S X01-14
Bethpage, NY 11714-3582

Re: SPDES Permit Equivalent Application, OU2
and OU3 On-Site Containment Systems,
Northrop Grumman Bethpage Facility Site,
Bethpage. NYSDEC Site No 130003A

Ed:

Northrop Grumman submitted a State Pollutant Discharge Elimination System (SPDES) Permit Equivalent Application for managing treated water from the Operable Unit 2 and Operable Unit 3 On-Site Containment Systems (ONCT). The ONCT systems withdraw groundwater from nine extraction wells, route the water through air stripping treatment systems, and return the treated water to the groundwater system via a series of recharge basins. The New York State Department Environmental Conservation (NYSDEC) has reviewed this application and has established discharge limits for the ONCT. These discharge limits and associated reporting requirements are detailed in the attached memorandum from the NYSDEC Division of Water.

Please recognize that Northrop-Grumman must request deletion of the current SPDES permit. Please send this request for deletion to the Regional Environmental Permit Administrator (Mr. Roger Evans) in Stony Brook at the address below:

NYSDEC - Region One Headquarters
50 Circle Road
Stony Brook, NY 11790-3409

Thanks and please do not hesitate to contact me at (518) 402-9478 or jason.pelton@dec.ny.gov with any questions.

Sincerely,

Jason Pelton

Digitally signed by Jason Pelton
DN: cn=Jason Pelton, o=NYSDEC, ou=Division of
Environmental Remediation,
email=jason.pelton@dec.ny.gov, c=US
Date: 2017.10.12 13:32:43 -04'00'

Jason M. Pelton
Project Manager
Remedial Section B, Remedial Bureau D
Division of Environmental Remediation

ec: S. Edwards, NYSDEC
D. Hesler, NYSDEC
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W. Parish, NYSDEC Region 1
R. Evans, NYSDEC Region 1
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J. Lovejoy, NCDOH
L. Thantu, USEPA Region 2



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Permits
625 Broadway, Albany, New York 12233-3505
P: (518) 402-8111 | F: (518) 402-9029
www.dec.ny.gov

MEMORANDUM

TO: Jason Pelton, DER
FROM: Robert Wither, Chief, South Permits Section, DOW
SUBJECT: Northrop Grumman, Site # 1-30-003A
DATE: August 16, 2017

In response to your request dated July 13, 2017 attached please find effluent limitations and monitoring requirements for the above noted remediation discharge.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. Footnote 1 identifies the appropriate DER contact as the place to send all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept apprised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call me at me at 518-402-8123.

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Cathy Haas, RWE, Region 1

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning **September 1, 2017** and lasting until **August 31, 2027** the discharges from the wastewater treatment facility to groundwater, Class GA shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Monthly Avg.	Daily Max		Measurement Frequency	Sample Type
OU-2 Groundwater Remedy Tower 96 Treatment System - Treated Air Stripper Discharge to West Recharge Basins:					
Flow	Monitor	Monitor	GPD	Continuous	Recorder
pH (range)	6.5 – 8.5		SU	Monthly	Grab
Total Nitrogen (as N)	Monitor	10	mg/l	Monthly	Grab
1,1-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Methylene Chloride	Monitor	5	µg/l	Monthly	Grab
Tetrachloroethylene	Monitor	5	µg/l	Monthly	Grab
1,1,1-Trichloroethane	Monitor	5	µg/l	Monthly	Grab
Trichloroethylene	Monitor	5	µg/l	Monthly	Grab
Vinyl chloride	Monitor	5	µg/l	Monthly	Grab
1,2-(trans)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
1,2-(cis)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Chloroform	Monitor	5	µg/l	Monthly	Grab
Trichlorofluoroethane (Freon 113)	Monitor	5	µg/l	Monthly	Grab
1,4 Dioxane	Monitor	Monitor	µg/l	Monthly	Grab

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Monthly Avg.	Daily Max		Measurement Frequency	Sample Type
OU-2 Groundwater Remedy Tower 102 Treatment System - Treated Air Stripper Discharge to South Recharge Basins:					
Flow	Monitor	Monitor	GPD	Continuous	Recorder
pH (range)	6.5 – 8.5		SU	Monthly	Grab
Total Nitrogen (as N)	Monitor	10	mg/l	Monthly	Grab
1,1-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Methylene Chloride	Monitor	5	µg/l	Monthly	Grab
Tetrachloroethylene	Monitor	5	µg/l	Monthly	Grab
1,1,1-Trichloroethane	Monitor	5	µg/l	Monthly	Grab
Trichloroethylene	Monitor	5	µg/l	Monthly	Grab
Vinyl chloride	Monitor	5	µg/l	Monthly	Grab
1,2-(trans)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
1,2-(cis)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Chloroform	Monitor	5	µg/l	Monthly	Grab
Trichlorofluoroethane (Freon 113)	Monitor	5	µg/l	Monthly	Grab
1,4 Dioxane	Monitor	Monitor	µg/l	Monthly	Grab

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Monthly Avg.	Daily Max		Measurement Frequency	Sample Type
OU-3 Groundwater Remedy Treatment System - Treated Air Stripper and Soil Gas Containment Condensate Discharge to Nassau County Recharge Basins:					
Flow	Monitor	Monitor	GPD	Continuous	Recorder
pH (range)	6.5 – 8.5		SU	Monthly	Grab
Total Nitrogen (as N)	Monitor	10	mg/l	Monthly	Grab
1,1-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Methylene Chloride	Monitor	5	µg/l	Monthly	Grab
Tetrachloroethylene	Monitor	5	µg/l	Monthly	Grab
1,1,1-Trichloroethane	Monitor	5	µg/l	Monthly	Grab
Trichloroethylene	Monitor	5	µg/l	Monthly	Grab
Vinyl chloride	Monitor	5	µg/l	Monthly	Grab
1,2-(trans)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
1,2-(cis)-Dichloroethylene	Monitor	5	µg/l	Monthly	Grab
Chloroform	Monitor	5	µg/l	Monthly	Grab
Trichlorofluoroethane (Freon 113)	Monitor	5	µg/l	Monthly	Grab
1,4 Dioxane	Monitor	Monitor	µg/l	Monthly	Grab

Additional Conditions:

1. The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

Jason Pelton
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233- 7015
518-402-9870

With a copy sent to:

Regional Water Engineer, Region 1
NYSDEC
SUNY @ Stony Brook
50 Circle Road
Stony Brook, NY 11790-3409

2. Only site generated wastewater is authorized for treatment and discharge.
3. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.
4. Both concentration (mg/l or µg/l) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.
5. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.
6. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.